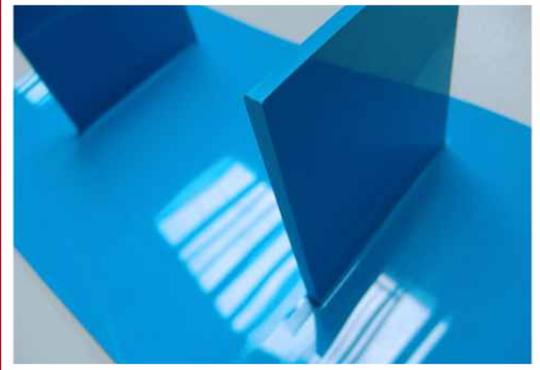
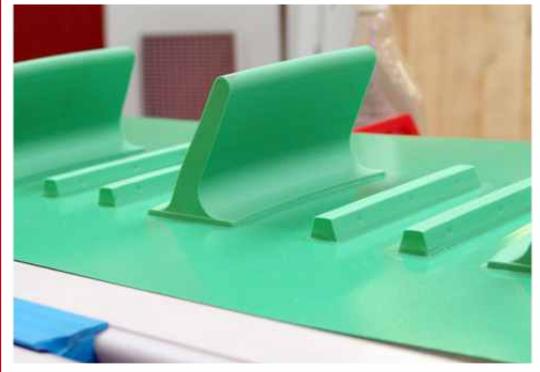


BELTA

High Frequency Welder

for Thermoplastic Elastomers (TPE), PVC, TPU and PU Conveyor Belts

- Universal for cleats, sidewalls, belt splicing, finger joints
- Large 270° access to weld platen surface
- 360° electrode rotation for any weld angle
- Work table side rolls for easy material handling
- 10" touch screen HMI/PLC with free-standing panel
- Illuminated workspace
- Electrodes length up to 1200mm
- Moveable belt limiters with pneumatic clamp
- Custom made electrodes for T-Cleats and fabricated cleats



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HF Welders - Impulse Welders - Heat Sealers - Boxmakers - Die Cutters
Thermoformers - Hydraulic and Pneumatic Presses - Custom machines

CE ★ Made in EU



Quick overview

- BELTA Welder is designed specifically for production of conveyor belts made of thermoplastic elastomers (TPE), PVC, TPU and PU. The most advanced technological custom made tooling ensures smooth and efficient production of any desired flat belts. Endless joining and fabrications of various cleats, steps and sidewalls can be done easily thanks to a large welding table and electrode holder that allows 360° positioning of any electrode.
- BELTA model is equipped with special quick change electrode holder. Side rolls mounted on the edges of the work table allow easy handling of long belts and precision weld positioning for fast production setup as well as ergonomic work space for operators.
- With the use of touch screen HMI and programmable PLC operator can easily input multiple weld/seam recipes. BELTA machines have HF power outputs from 10kW to 20kW for heavy production loads and various material thicknesses and cleat heights (up to 250mm). All these options make this machine a perfect tool for high-end production where precision, durability and strength is the key.
- Machines are available in standard power/size configurations. They can be equipped either with pneumatic (P) or hydraulic (H) electrode pressure system - according to customer needs

Applications

- Conveyor Belts made of Thermoplastic Elastomers (TPE), PVC, TPU and PU
- T-Cleats and fabricated cleats (scoop, straight, beefy, gusset)
- Sidewalls: heights ranging from 1" (25,4mm) to 6" (150mm)

Features

- Automated HF weld cycles, easy setup and operation
- ATSTM Autotuning and ultrafast ARC limiter
- Fully HF shielded and filtered work area
- Output overload protection with warning indicator/reset
- Smooth switchable power output settings
- Hi-Q Gen4 cavity stable HF generator
- C-frame welded heavy duty structure

Optional features

- Additional electrode holders for multiple parallel welding at one cycle
- Expanded HMI functionality - saving power level and press force
- 3 cylinders for regular press force all over weld platen
- Additional table for larger belts widths
- 550mm electrode stroke for welding cleats up to 250mm height
- Wheels for easy movement of the machine

Custom built tooling and electrodes available upon request. Each machine is built according to customers needs. Parameters can be modified or adjusted - if required - at additional cost.

Technical specification	Belta 10	Belta 15	Belta 20
HF output power	10 kW	15 kW	20 kW
Weld surface (up to 40cm ² from 1kW)	≤400 cm ²	≤600 cm ²	≤800 cm ²
Installed power	15 kW	22 kW	30 kW
Power supply	3x400V ; 50Hz		
Working frequency	27,12 MHz ± 0,6% Hi-Q Gen5 HF Generator		
Electron tube	air cooled metal-ceramic triode		
Antiflash system	ultra-fast solid state ZTG AntiFlash™		
Autotuning system	standard, ATSTM		
Control system	PLC and 10" touch screen HMI		
Maximum electrode length	800 mm	1200 mm	
Electrode pneumatic press (at 0,8 MPa)	1600 kg	2500 kg	
Electrode pressure control (0,1-0,8 MPa)	280 - 1600 kg	320 - 2500 kg	
Compressed air consumption	≤120 nl/cycle	≤180 nl/cycle	
Cylinder/electrode stroke	up to 400 mm (optional: 550 mm)		
Electrode mount	QuickGRIP		
Electrode rotation	360°		
Shielded work area	standard		
Maximum belt width	1200 mm	1800 mm	
Standard upper weld platen sizes	400 x 600 mm 500 x 700 mm	1200 x 650 mm 1000 x 600 mm	
Work table size	1000 x 1200 mm	1200 x 1800 mm	
Weight	1600 kg	2600 kg	

